|   | Index of Claims |                |           |           |                |           |           |           |           |               |           |                             |            |                |          | Applicati n No. |                         |            |           |                    |                  |        |           |       | Applicant(s) |                   |                    |              |        |           |              |               |          |           |                  |     |    |   |
|---|-----------------|----------------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|---------------|-----------|-----------------------------|------------|----------------|----------|-----------------|-------------------------|------------|-----------|--------------------|------------------|--------|-----------|-------|--------------|-------------------|--------------------|--------------|--------|-----------|--------------|---------------|----------|-----------|------------------|-----|----|---|
|   |                 |                |           |           |                |           |           |           |           |               |           |                             | ·          |                |          |                 |                         |            | Examiner  |                    |                  |        |           |       |              |                   |                    | Art Unit     |        |           |              |               |          |           |                  |     |    |   |
|   |                 |                | 4         | Ţ         | Rejected       |           |           |           |           | [             | 1         | (Through numer<br>Cancelled |            |                |          |                 | era                     | ri)        |           | N                  |                  | Non-El |           |       | ected        |                   | A                  |              | Appeal |           |              |               |          |           | <del>-</del> i . |     |    |   |
|   |                 |                |           | Allowed   |                |           |           |           | ŀ         | +             |           | Restricted                  |            |                |          |                 |                         | I Interfer |           |                    | ren              | ence   |           | 0     |              | Objected          |                    |              |        |           |              |               |          |           |                  |     |    |   |
|   | 3               | laim           | I         | _         | Date           |           |           |           |           |               |           |                             | Claim      |                |          |                 |                         | Da         | ale       |                    |                  |        |           | Claim |              |                   |                    | Date         |        |           |              | _             | ٦.       |           |                  |     |    |   |
|   | Final           | 10             | 8/12/03   |           |                |           |           |           |           |               |           |                             | ig<br>Sign |                | Guginai  |                 |                         |            |           |                    |                  |        |           |       | Final        | Original          |                    |              |        |           |              |               |          |           |                  | •   |    |   |
|   | F               | 1              | +         | +         | +              |           |           |           | +         | ‡             | ‡         | 1                           | F          | 5              | 1        | 1               | ‡                       | #          | ‡         | 1                  |                  |        |           |       |              | 101               |                    | 1            | $\pm$  |           |              | L             |          |           | •                | •   |    |   |
|   | -               | 3              | F         | F         | +              |           |           | -         | +         | +             | +         |                             |            | 5              | 3        | 7               | +                       | †          | ‡         |                    |                  |        |           | }     |              | 102               |                    | $\pm$        | $^{+}$ | t         |              |               |          |           |                  |     |    |   |
|   |                 | 5              | F         | F         | F              |           |           | F         | +         | Ŧ             | +         | 1                           |            | 5              | 5        | ‡               | +                       | +          | ‡         | -                  |                  |        |           | -     |              | 104<br>105        |                    | 1            | $^{+}$ |           |              |               |          |           |                  |     |    |   |
|   | -               | 7              | F         | F         | $\blacksquare$ |           |           |           | 1         | F             | Ŧ         |                             | F          | 5              | 7        | ‡               | ‡                       | +          | ‡         |                    |                  |        |           | -     |              | 106<br>107<br>108 |                    | 1            | t      |           |              |               |          |           | ,                |     |    |   |
|   |                 | 9              | F         | F         | $\Box$         |           | H         |           | -         | 1             | +         |                             |            | 5              | 9        | #               | ‡                       | ‡          | ‡         | F                  |                  |        |           | -     |              | 109<br>110        |                    | $\downarrow$ | 上      |           |              |               |          | $\exists$ |                  |     | •  |   |
|   |                 | 11<br>12       | F         | F         | $\square$      | _         | Н         | _         |           | F             |           |                             | F          | 6              | 1        | 7               | ‡                       | Ŧ          | +         |                    |                  |        | 4         | -     |              | 111<br>112        | $\dashv$           | #            | +      |           |              |               |          | $\exists$ |                  |     | 1. |   |
|   |                 | 13<br>14       | -         | E         |                |           |           | _         | F         | F             | -         | 1                           | F          | 6              | 3        | ‡               | #                       | +          | +         |                    |                  |        | $\exists$ | -     |              | 113               | 7                  |              | ‡      |           |              |               |          | $\exists$ |                  |     |    |   |
|   | L               | 15<br>16       | Ŷ         | L         |                |           |           | _         | E         | E             | E         | }                           |            | 6              | 5        | +               | Ŧ                       | +          | -         | H                  |                  | 7      | 7         | -     |              | 115<br>116        | 7                  | +            | 1      |           |              |               |          | 7         |                  |     |    |   |
|   | E               | 17             | Ĺ         |           | Н              |           |           |           |           | L             | L         |                             | E          | 68             | 3]       | $oxed{F}$       | $oldsymbol{\mathbb{F}}$ | F          |           |                    | $\exists$        | 7      | 7         | F     |              | 117<br>118        | 7                  | 1            | F      |           |              |               |          | 7         |                  |     |    |   |
|   |                 | 19<br>20       | Н         |           |                | $\exists$ |           |           |           |               | L         |                             |            | 69<br>70       |          | £               | $\pm$                   |            |           |                    | -                | -      | 7         | F     |              | 119<br>120        | 1                  |              | F      |           |              | 7             | 7        | 1         |                  |     |    |   |
|   |                 | 21<br>22       |           | _         |                |           | $\exists$ |           |           |               | Ė         |                             |            | 71             |          | Ŀ               | Ł                       |            |           |                    | $\exists$        | 7      | $\exists$ | F     |              | 121<br>122        | 7                  | $\mp$        |        | $\exists$ |              | -             | 7        | 7         |                  |     |    |   |
|   |                 | 23<br>24<br>25 |           | _         | H              |           | 1         |           |           | _             |           |                             |            | 73<br>74       |          | $\perp$         | L                       | L          |           |                    |                  | 1      |           | E     |              | 123<br>124        | $\pm$              |              |        |           |              |               | $\dashv$ | 7         |                  |     |    | - |
|   |                 | 26<br>27       |           | _         |                | 1         | 7         |           |           | _             |           |                             |            | 75<br>76<br>77 | $\perp$  |                 | L                       | L          |           |                    | #                | +      | ╛         | F     |              | 125<br>126        | 1                  |              |        |           |              |               |          | $\exists$ |                  |     | -  |   |
| ٠ |                 | 28<br>29       |           | _         |                | 7         | +         | 7         |           | _             |           | *                           |            | 78<br>79       |          | t               | t                       | L          |           | $\downarrow$       | $^{+}$           | #      | $\exists$ | F     | $\Box$       | 127<br>128        | $\pm$              | $\pm$        | Н      |           | 1            | 1             |          | 1         |                  |     | •  |   |
|   |                 | 30<br>31       | 7         |           |                | 1         | +         | 7         | $\exists$ |               |           |                             |            | 80<br>81       | 1        | Ė               |                         |            |           | 1                  | #                | #      | 1         | F     | $\exists$    | 129<br>130        | #                  |              |        |           | 1            | 1             | $\pm$    | 1         |                  |     |    |   |
|   |                 | 32<br>33       | $\exists$ |           | 7              | 7         | 7         | 7         | 7         |               |           |                             |            | 82<br>83       | $\Gamma$ | F               | F                       | F          |           | #                  | #                | ‡      |           | F     |              | 131<br>132<br>133 | +                  | 1            |        | 1         | $\downarrow$ | 1             | 1        | 1         |                  |     |    |   |
|   |                 | 34<br>35       | $\exists$ |           | 7              | 7         | 7         | -         | 7         | $\exists$     | $\exists$ |                             |            | 84<br>85       | 1        | -               | F                       |            |           | 7                  | 7                | +      |           | F     |              | 134<br>135        | #                  | #            |        | +         | #            | $\downarrow$  | +        | 1         |                  | • • |    |   |
| , |                 | 36<br>37       | $\exists$ | $\exists$ | $\dashv$       | 7         | 7         | 7         | 7         | $\dashv$      | $\exists$ | İ                           |            | 86<br>87       |          |                 | F                       |            |           | 7                  | +                | ‡      | 7         | F     |              | 136               | ‡                  | $\Box$       |        | 1         | #            | #             | 1        |           |                  |     |    |   |
|   |                 | 38<br>39       |           |           | -              | 7         | $\top$    | 7         | 7         | 7             | 7         | ŀ                           |            | 88<br>89       | Ι        | H               |                         | H          | 4         | 1                  | #                | ‡      | 7         | F     |              | 138<br>139        | ‡                  | $\Box$       |        | 1         | #            | #             | 1        |           |                  |     |    |   |
| ı |                 | 40             |           | $\exists$ | $\pm$          | +         | Ŧ         | $\exists$ | $\exists$ | 7             | $\exists$ | ŀ                           |            | 90<br>91       | -        | H               |                         |            |           | 7                  | +                | +      | 7         | F     |              | 140               | ‡                  |              |        | #         | #            | $\dagger$     | ‡        | ╣.        |                  |     |    |   |
|   |                 | 42<br>43       |           | $\exists$ |                | $\pm$     | $\pm$     | $\pm$     | -         |               |           | E                           |            | 92<br>93       | H        | П               |                         |            | $\dashv$  | 7                  | 7                | 7      | 7         | F     |              | 142               | 1                  | $\Box$       |        | 1         | #            | ‡             | +        | 1         |                  |     |    |   |
|   |                 | 44<br>45       | $\pm$     | 1         | $\pm$          | +         | +         | $\pm$     | $\pm$     | $\frac{1}{1}$ | $\exists$ |                             |            | 94<br>95       | E        |                 |                         |            | $\exists$ | $\exists$          | $ar{\mathbb{F}}$ | +      |           | F     | 1            | 144               | Ŧ                  | $\square$    | 7      | 7         | #            | +             | +        | 1         |                  |     |    |   |
|   |                 | 46<br>47       | #         | +         | $\pm$          | 1         | $\pm$     | 1         | $\pm$     | $\pm$         | $\exists$ | F                           |            | 96<br>97       |          | $\exists$       |                         | $\exists$  | $\exists$ | $oldsymbol{\perp}$ | $oldsymbol{f}$   | F      | }         | E     | 1            | 146               | $oldsymbol{\perp}$ |              | 7      | +         | -            | Ŧ             | -        | 1         |                  |     |    |   |
| - | $\exists$       | 48<br>49<br>50 | +         | +         | $\pm$          | $\pm$     | $\pm$     | #         | $\pm$     | #             | $\exists$ | -                           |            | 98<br>99       |          |                 |                         |            | $\perp$   | $\pm$              | $\pm$            | E      | }         | E     | 1            | 148<br>149        | I                  |              | ]      | $\pm$     | $rac{1}{2}$ | $\frac{1}{2}$ | $\perp$  |           |                  | _   |    |   |
| L |                 | 30 T           |           | _L        | _1_            |           | L_        | 1         | l_        | . 1           | 1         | - 1                         | 1          | 100            | 1 1      |                 | .                       | - 1        | - 1       | Į.                 | 1.               | 1      | 1         | 1     | 1 1          | 50                | 1                  | 1 1          | T      | T         | Т            |               | 7        | 1         |                  | -   |    | 1 |